L Number	Hits	Search Text	DB	Time stamp
1	2	(("6211035") or ("6211063")).PN.	USPAT	2004/07/31
				00:16
-	11675	((438/625) or (438/626) or (438/627) or	USPAT;	2004/07/23
		(438/629) or (438/631) or (438/632) or	US-PGPUB;	22:00
		(438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or	EPO; JPO; DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM TDB	
		(438/663) or (438/669) or (438/672) or		
		(438/674) or (438/675) or (438/685) or		!
		(438/687) or (438/692) or		
	5058	(438/700)).CCLS.	USPAT;	2004/07/23
-	3036	(((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or	US-PGPUB;	2004/07/23
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	22.01
		(438/645) or (438/646) or (438/648) or	DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM_TDB	
		(438/663) or (438/669) or (438/672) or		
		(438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))		
-	0	((((438/625) or (438/626) or (438/627) or	USPAT;	2004/07/23
		(438/629) or (438/631) or (438/632) or	US-PGPUB;	22:02
i		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
		(438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or	DERWENT;	
		(438/663) or (438/669) or (438/672) or	IBM_TDB	
		(438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		1
 _	735	dish43 ((((438/625) or (438/626) or (438/627) or	USPAT;	2004/07/23
	/33	(438/629) or (438/631) or (438/632) or	US-PGPUB;	22:02
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
		(438/645) or (438/646) or (438/648) or	DERWENT;	-
1		(438/653) or (438/656) or (438/660) or	IBM_TDB	
		(438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or		
	1	(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
	501	dish\$3	Manam.	2004/07/22
_	501	(((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or	USPAT; US-PGPUB;	2004/07/23
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	22.02
	1	(438/645) or (438/646) or (438/648) or	DERWENT;	
	1	(438/653) or (438/656) or (438/660) or	IBM_TDB	
		(438/663) or (438/669) or (438/672) or		
		(438/674) or (438/675) or (438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2	}	
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)		
_	195	((((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
	Ţ	or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or	US-PGPUB;	22:03
		(438/645) or (438/646) or (438/648) or	EPO; JPO; DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM_TDB	
		(438/663) or (438/669) or (438/672) or		
		(438/674) or (438/675) or (438/685) or	1	
		(438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2 adj mechanical\$2 adj polish\$3))) and	1	
		dish\$3) and (copper or cu)) and ((copper		
1		or cu) same (diffusion near10 (barrier or	1	
		anti)))		

-	174	(((((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
		or (438/629) or (438/631) or (438/632) or	US-PGPUB;	23:11
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
		(438/645) or (438/646) or (438/648) or	DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM_TDB	
		(438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or		l
		(438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)		
_	17		USPAT;	2004/07/23
	1	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:05
1		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	ļ
		(438/648) or (438/653) or (438/656) or	IBM TDB	
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or	i	
}		(438/700)).CCLS.) and (cmp or (chemical\$2		
	!	adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
	1	or cu) same (diffusion near10 (barrier or		
	1	anti)))) and (damascene or trench)) and		
	}	(polish near10 (stop\$4 or anti))		
-	0	'= '	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:05
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and	Ì	
		(polish near10 stop\$4)) not	İ	
		(((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or	ļ	
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or	1	
		(438/648) or (438/653) or (438/656) or	1	
		(438/660) or (438/663) or (438/669) or	ļ	
	1	(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or	1	
		anti)))) and (damascene or trench)) and	İ	
		(polish near10 (stop\$4 or anti)))	1	
-	17	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:10
1		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
1		(438/648) or (438/653) or (438/656) or	IBM_TDB	
]	(438/660) or (438/663) or (438/669) or		
]	(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
]	adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or	l	
		anti)))) and (damascene or trench)) and		
		(polish near10 stop\$4)		

_	174	((((((((438/625) or (438/626) or	USPAT;	2004/07/23
_	1/3	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:11
l		(438/632) or (438/633) or (438/637) or	EPO; JPO;	22.11
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	
1			1011-100	
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
}		(438/685) or (438/687) or (438/692) or		
	i	(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
ļ	-	or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(passivat\$3 ner ((((((((438/625) or		İ
	1	(438/626) or (438/627) or (438/629) or		
	ł	(438/631) or (438/632) or (438/633) or		
		(438/637) or (438/643) or (438/645) or		
[1	(438/646) or (438/648) or (438/653) or		
1		(438/656) or (438/660) or (438/663) or		
		(438/669) or (438/672) or (438/674) or		
1		(438/675) or (438/685) or (438/687) or		1
		(438/692) or (438/700)).CCLS.) and (cmp		
		or (chemical\$2 adj mechanical\$2 adj]
	-	polish\$3))) and dish\$3) and (copper or		
		cu)) and ((copper or cu) same (diffusion	İ	1
		near10 (barrier or anti)))) and	j	
		(damascene or trench)) and (polish near10		}
		stop\$4)) not ((((((((438/625) or		
		(438/626) or (438/627) or (438/629) or		
		(438/631) or (438/632) or (438/633) or		
		(438/637) or (438/643) or (438/645) or		
		(438/646) or (438/648) or (438/653) or		
		(438/656) or (438/660) or (438/663) or		
		(438/669) or (438/672) or (438/674) or		
		(438/675) or (438/685) or (438/687) or	-	
		(438/692) or (438/700)).CCLS.) and (cmp		
		or (chemical\$2 adj mechanical\$2 adj		
		polish\$3))) and dish\$3) and (copper or		
		cu)) and ((copper or cu) same (diffusion	1	
		near10 (barrier or anti)))) and	1	
		(damascene or trench)) and (polish near10	1	
		(stop\$4 or anti)))) (copper or cu))		
l _	28		USPAT;	2004/07/23
	20	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:26
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	22.20
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	
		(438/660) or (438/663) or (438/669) or	TDFI_IDD	
	-			
		(438/672) or (438/674) or (438/675) or	İ	
		(438/685) or (438/687) or (438/692) or		
1	-	(438/700)).CCLS.) and (cmp or (chemical\$2		
	1	adj mechanical\$2 adj polish\$3))) and		
1		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
1	1	(passivat\$3 near10 (copper or cu))	1	1

_				
-	27	((((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:20
	i	(438/632) or (438/633) or (438/637) or	EPO; JPO;	
1		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	
		(438/660) or (438/663) or (438/669) or	_	
.		(438/672) or (438/674) or (438/675) or		
1		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(passivat\$3 near10 (copper or cu))) not		
		(((((((((438/625) or (438/626) or		
		((((((((438/623) of (438/626) of (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		1
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		1
		anti)))) and (damascene or trench)) and		
		(polish near10 stop\$4))		
-	3	(("6492266") or ("6528409") or	USPAT	2004/07/23
		("6599827")).PN.		22:20
-	43	(((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:27
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM_TDB	
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		Į
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(cap\$4 near10 (copper or cu))		1

- 38	(((((((((438/625) or (438/626) or	USPAT;	2004/07/23
ļ	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:42
	(438/632) or (438/633) or (438/637) or	EPO; JPO;	
	(438/643) or (438/645) or (438/646) or	DERWENT;	
	(438/648) or (438/653) or (438/656) or	IBM TDB	İ
	(438/660) or (438/663) or (438/669) or	_	
!	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		1
	(438/700)).CCLS.) and (cmp or (chemical\$2		1
	adj mechanical\$2 adj polish\$3))) and		
1	dish\$3) and (copper or cu)) and ((copper		ļ
	or cu) same (diffusion near10 (barrier or		•
	anti)))) and (damascene or trench)) and		
	(cap\$4 near10 (copper or cu))) not		
	((((((((((438/625) or (438/626) or		
	(438/627) or (438/629) or (438/631) or		
	(438/632) or (438/633) or (438/637) or		
	(438/643) or (438/645) or (438/646) or		i
	(438/648) or (438/653) or (438/656) or		
	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		ĺ
1	dish\$3) and (copper or cu)) and ((copper		
]	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
i i	(passivat\$3 near10 (copper or cu))) not		
	(((((((((438/625) or (438/626) or		
1	(438/627) or (438/629) or (438/631) or		
	(438/632) or (438/633) or (438/637) or		
	(438/643) or (438/645) or (438/646) or		
	(438/648) or (438/653) or (438/656) or		
	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or		
]	(438/685) or (438/687) or (438/692) or		1
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and	İ	1
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and	ĺ	
1	(polish near10 stop\$4)))		

- 28	(((((((((438/625) or (438/626) or	USPAT;	2004/07/23
	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:42
	(438/632) or (438/633) or (438/637) or	EPO; JPO;	-
[(438/643) or (438/645) or (438/646) or	DERWENT;	
1	(438/648) or (438/653) or (438/656) or	IBM_TDB	
	(438/660) or (438/663) or (438/669) or	_	
	(438/672) or (438/674) or (438/675) or		ļ
1	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		1
	adj mechanical\$2 adj polish\$3))) and		
<u> </u>	dish\$3) and (copper or cu)) and ((copper		f
	or cu) same (diffusion near10 (barrier or		\$
	anti)))) and (damascene or trench)) and		ļ
	(cap\$4 near10 (copper or cu))) not		
	((((((((((438/625) or (438/626) or		
	(438/627) or (438/629) or (438/631) or		
	(438/632) or (438/633) or (438/637) or	j	
	(438/643) or (438/645) or (438/646) or		
	(438/648) or (438/653) or (438/656) or		
	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
i	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
	(passivat\$3 near10 (copper or cu))) not		
	((((((((438/625) or (438/626) or		
	(438/627) or (438/629) or (438/631) or		ļ
	(438/632) or (438/633) or (438/637) or		
	(438/643) or (438/645) or (438/646) or		
	(438/648) or (438/653) or (438/656) or		
	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
	(polish near10 stop\$4)))) and plasma		
	(Portan hearto scopay))) and prasma	l	1

_	12	((((((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:45
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	
		(438/660) or (438/663) or (438/669) or	_	
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		ļ
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
	i	(cap\$4 near10 (copper or cu))) not		
		(((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(passivat\$3 near10 (copper or cu))) not		
		(((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		İ
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
	1	(438/672) or (438/674) or (438/675) or		
	1	(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(polish near10 stop\$4)))) and (plasma		
		(polish hearto stop\$4))) and (plasma same treat\$4)		
1	I	Same Cleat34/	Ī	I

- 12	(((((((((((438/625) or (438/626) or	USPAT;	2004/07/23
	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:45
	(438/632) or (438/633) or (438/637) or	EPO; JPO;	
	(438/643) or (438/645) or (438/646) or	DERWENT;	1
	(438/648) or (438/653) or (438/656) or	IBM TDB	
	(438/660) or (438/663) or (438/669) or	_	
	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		1
	anti)))) and (damascene or trench)) and		
	(cap\$4 near10 (copper or cu))) not		
	((((((((((438/625) or (438/626) or		
	(438/627) or (438/629) or (438/631) or		
	(438/632) or (438/633) or (438/637) or		
	(438/643) or (438/645) or (438/646) or		
	(438/648) or (438/653) or (438/656) or		
	(438/660) or (438/663) or (438/669) or		
	1 , . , , . , , , , , , , , , , , , , ,		
	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
ļ	(passivat\$3 near10 (copper or cu))) not		
	(((((((((438/625) or (438/626) or		
	(438/627) or (438/629) or (438/631) or		
1	(438/632) or (438/633) or (438/637) or		
	(438/643) or (438/645) or (438/646) or		
	(438/648) or (438/653) or (438/656) or		
	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
	(polish near10 stop\$4)))) and (plasma		
	same treat\$4)) and clean\$3		

	1		
- 0	(((((((((((((438/625) or (438/626) or	USPAT;	2004/07/23
	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:46
1	(438/632) or (438/633) or (438/637) or	EPO; JPO;	
<u> </u>	(438/643) or (438/645) or (438/646) or	DERWENT;	
	(438/648) or (438/653) or (438/656) or	IBM_TDB	
	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or		t e
1	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
1	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
	(cap\$4 near10 (copper or cu))) not		
	((((((((((438/625) or (438/626) or		
	(438/627) or (438/629) or (438/631) or		
	(438/632) or (438/633) or (438/637) or		
	(438/643) or (438/645) or (438/646) or		
	(438/648) or (438/653) or (438/656) or		
	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		İ
,	anti)))) and (damascene or trench)) and		
	(passivat\$3 near10 (copper or cu))) not		
	(((((((((438/625) or (438/626) or (438/627)		
	(438/627) or (438/629) or (438/631) or		
	(438/632) or (438/633) or (438/637) or		1
	(438/643) or (438/645) or (438/646) or		
	(438/648) or (438/653) or (438/656) or		,
	(438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		İ
	anti)))) and (damascene or trench)) and		†
	(polish near10 stop\$4)))) and (plasma		
	same treat\$4)) and clean\$3) and anneal\$3)		
	same treat\$4)) and clean\$3) and anneal\$3) and (nitric adj acid)		

	10	1100/606	****	0004/07/02
-	10	((((((((((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
1		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:46
1		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
1		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM_TDB	
1		(438/660) or (438/663) or (438/669) or		
j		(438/672) or (438/674) or (438/675) or		
1		(438/685) or (438/687) or (438/692) or		
1		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
1		or cu) same (diffusion near10 (barrier or		
•		anti)))) and (damascene or trench)) and		
		(cap\$4 near10 (copper or cu))) not		
1		(((((((((((438/625) or (438/626) or (438/637) or (438/637) or (438/637) or (438/637) or (438/637) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		į
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(passivat\$3 near10 (copper or cu))) not		
		(((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		İ
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(polish near10 stop\$4)))) and (plasma		
		same treat\$4)) and clean\$3) and anneal\$3		
_	601	(((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
		or (438/629) or (438/631) or (438/632) or	US-PGPUB;	23:11
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
}		(438/645) or (438/646) or (438/648) or	DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM_TDB	
		(438/663) or (438/669) or (438/672) or	_	
		(438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (damascene or trench)		
-	454	((((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
		or (438/629) or (438/631) or (438/632) or	US-PGPUB;	23:13
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
		(438/645) or (438/646) or (438/648) or	DERWENT;	l l
		(438/653) or (438/656) or (438/660) or	IBM_TDB	
		(438/663) or (438/669) or (438/672) or		
		(438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
]		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (damascene or trench)) and		
]		((remov\$3 or polish\$3 or planariz\$3)		
L	L	near5 (insulat\$3 or dielectric))	L	L

(((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/645) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2 adj mechanical\$2 adj polish\$3))) and dish\$3) and (damascene or trench)) and ((remov\$3 or polish\$3 or planariz\$3) near5 (insulat\$3 or dielectric))) and ((taper\$3 or round\$3) near5 (insulat\$3 or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/31 00:16
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